

# Phillip C. Hartig

## Education

- B.S., William Carey College, Hattiesburg, MS; Biology, 1977.
- M.S., Virginia Commonwealth University, Richmond, VA; Biology, 1980.
- Ph.D., Virginia Commonwealth University, Richmond, VA; Pathology, 1984.

## Professional Experience

- 1986-1994: Project Scientist, Man Tech Environmental Inc., RTP, NC.
- 1994-1995: Research Scientist, ManTech Environmental Inc., RTP, NC.
- 1994-present: Research Biologist, EPA.

## Research Interests and Skills

- Influence of xenobiotics or infectious agents on development.
- Hazard identification of biotechnology products.

## Professional Activities

- Journal reviewer: Teratology, BioTechniques, Birth Defects Research, Biology of Reproduction.
- Contributor, Concentrated Animal Feeding Operations (CAFO) Steering Committee.
- Manager, Interspecies gene library/stabilization project.
- Lambda gene librarian for interspecies project.
- Respondent to EPA Office of Science Coordination and Policy: Cloning and expression of Chimpanzee androgen receptor.
- Contributor, Board of Scientific Councilors Review (BOSC) of Endocrine Disrupting Chemicals Program. 2004.

## Invited Lectures/Symposia

- Small Fish Meeting, EPA, National Health and Environmental Effects Research Laboratory, Mid-Continent Ecology Division, Duluth, MN: Sex steroid receptor sequence and function. 2002.
- Receptor Mechanisms Discussion Group, National Institute for Environmental Health Sciences, Research Triangle Park, NC: Sex steroid receptor structure and function across species. 2002.

## Selected Publications

Hartig PC, Cardon MC, Lambright CS, Bobseine KL, Wilson VS, Gray LE. 2007. Substitution of synthetic chimpanzee androgen receptor for human androgen receptor in competitive binding and transcriptional activation assays for EDC screening. *Toxicol Lett.* 174:89-97. [Abstract](#)

Ankley GT, Defoe DL, Kahl MD, Jensen KM, Makynen EA, Miracle A, Hartig P, Gray LE, Cardon M, Wilson V. 2004. Evaluation of the model anti-androgen flutamide for assessing the mechanistic basis of responses to an androgen in the fathead minnow (*pimephales promelas*). *Environ Sci Technol.* 38:6322-7. [Abstract](#)

Wilson VS, Cardon MC, Thornton J, Korte JJ, Welch JE, Gray LE, Hartig PC. 2004. Cloning, expression and characterization of the androgen receptor and isolation of estrogen receptor alpha from the fathead minnow (*pimephales promelas*). *Environ Sci Technol.* 38:6314-21. [Abstract](#)

Kawanishi CY, Hartig PC, Bobseine KL, Schmid JE, Cardon MC, Massenburg GS, Chernoff N. 2003. Axial skeletal and hox expression domain alterations induced by retinoic acid, valproic acid and bromoxynil during murine development. *J Biochem Mol Toxicol.* 17:346-56. [Abstract](#)

Rogers EH, Hunter ES, Rosen MB, Rogers JM, Lau C, Hartig PC, Francis BM, Chernoff N. 2003. Lack of evidence for intergenerational reproductive effects due to prenatal and postnatal undernutrition in the female CD-1 mouse. *Reprod Toxicol.* 17:519-25. [Abstract](#)

Ankley GT, Jensen KM, Makynen EA, Kahl MD, Korte JJ, Hornung MW, Henry TR, Denny JS, Leino RL, Wilson VS, Cardon MC, Hartig PC, Gray LE. 2003. Effects of the androgenic growth promoter 17-beta-trenbolone on fecundity and reproductive endocrinology of the fathead minnow. *Environ Toxicol Chem.* 22:1350-60. [Abstract](#)

Gray LE, Ostby J, Wilson V, Lambright C, Bobseine K, Hartig P, Hotchkiss A, Wolf C, Furr J, Price M, Parks L, Cooper RL, Stoker TE, Laws SC, Degitz SJ, Jensen KM, Kahl MD, Korte JJ, Makynen EA, Tietge JE, Ankley GT. 2002. Xenoendocrine disrupters-tiered screening and testing: Filling key data gaps. *Toxicology.* 181-182:371-82. [Abstract](#)

Durhan EJ, Lambright C, Wilson V, Butterworth BC, Kuehl OW, Orlando EF, Guillette LJ, Gray LE, Ankley GT. 2002. Evaluation of androstenedione as an androgenic component of river water downstream of a pulp and paper mill effluent. *Environ Toxicol Chem.* 21:1973-6. [Abstract](#)

Hartig PC, Bobseine KL, Britt BH, Cardon MC, Lambright CS, Wilson VS, Gray LE. 2002. Development of two androgen receptor assays using adenoviral transduction of MMTV-LUC reporter and/or HAR for endocrine screening. *Toxicol Sci.* 66:82-90. [Abstract](#)